ABSTRACT OF THE DISCLOSURE

The invention is an electrochemical cell made of a first electrode, a second electrode, and a curable liquid electrolyte located between the first and second electrodes, wherein the curable liquid electrolyte is made of a protonic polymer having an polymeric backbone with side chains with acidic groups for conducting proton for an electrochemical cell, a first vinyl monomer with a –(COOH)- group, and a cross linking agent with a second vinyl monomer.

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